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F24F 11/00

(52) UK CL (Edition L)

G3N NGCA NGE3A N287 N404

F4V VCB VG215 VG216 VG241 VG242 V302

U1S S1887 S1801 S1967 S2184

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None

(58) Field of search

UK CL (Edition K) F4V VCB, G3N NGCA NGE1

NGE3A NGE3AC NG1A4 NG1A9

INT CL^s F24F

(54) Ventilation device adjusted and controlled automatically with movement of human body

(57) A ventilation device, which comprises a sensor unit 3, a fan 1 and control units 2 to control on/off, strength, temperature, humidity and directions of the discharged air, can apply to air conditioners, and ventilators. The sensor unit, monitoring the presence and position of human bodies within the ventilating area, enables the fan and the control units to be on or off while sensing the first person who comes in or the last person who leaves the ventilating area; and to adjust the intensity and directions of the discharged air based on the position of the human bodies. The sensor unit, furthermore, can follow a specific human body and actuate the control units to provide needed airflow based on user's requirement, e.g. directed at or around him. When the fan stops operating, all the outlets of the ventilation device will be closed so that the dust cannot enter the machine.

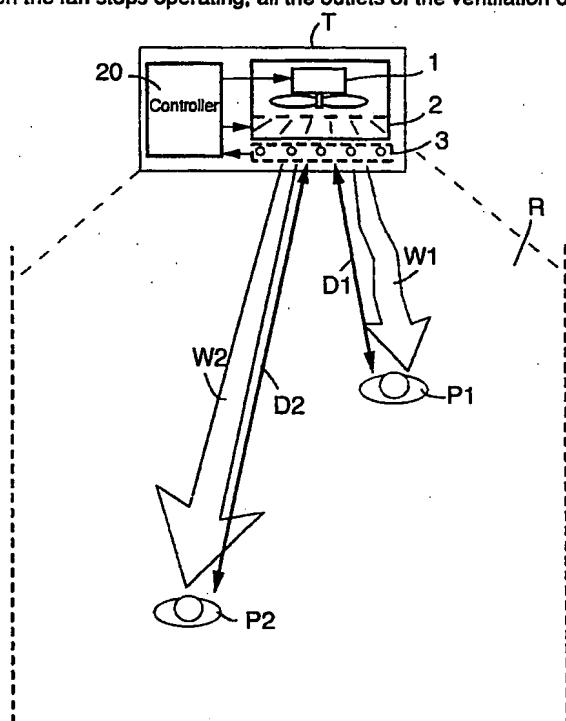


FIG. 1

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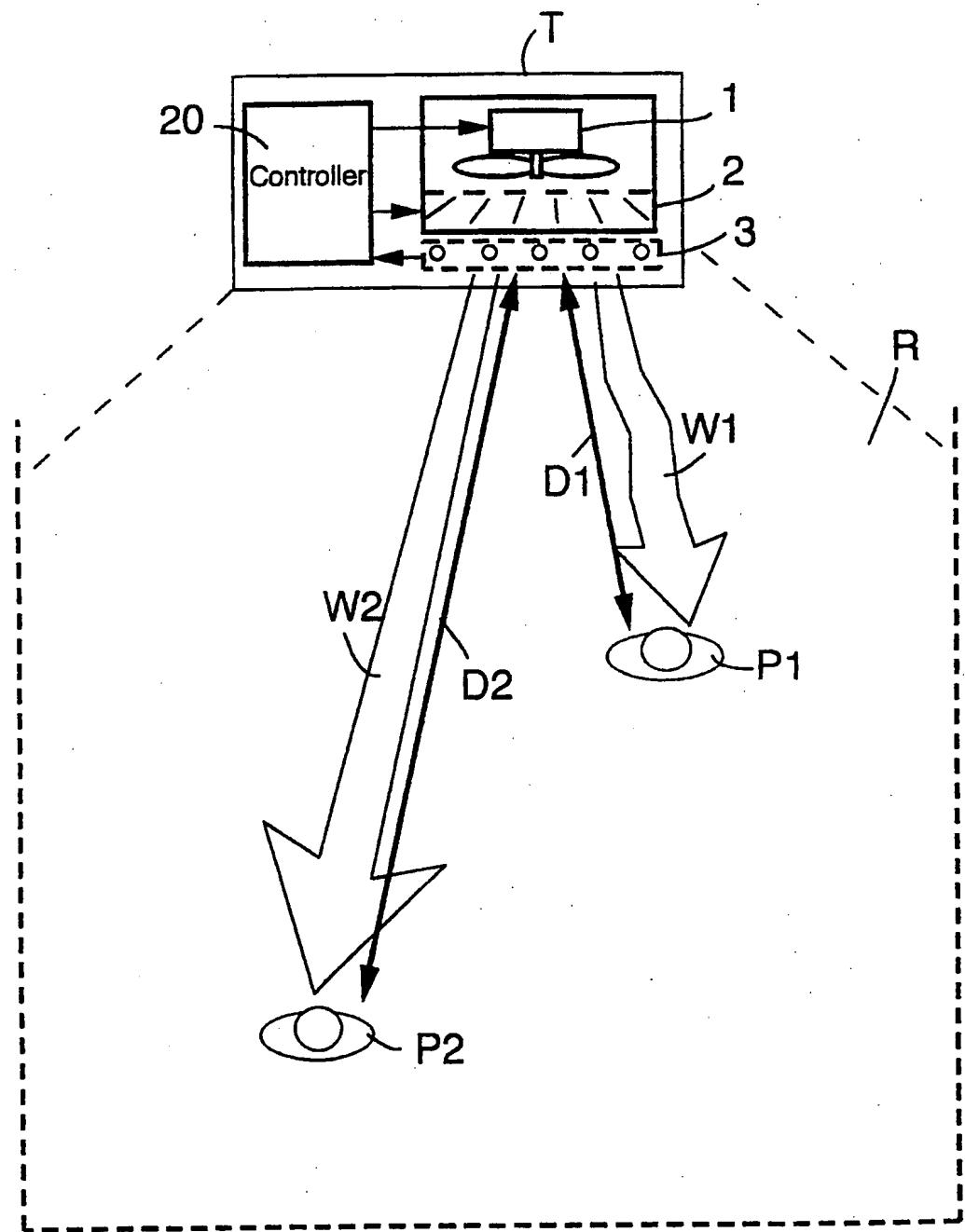


FIG. 1

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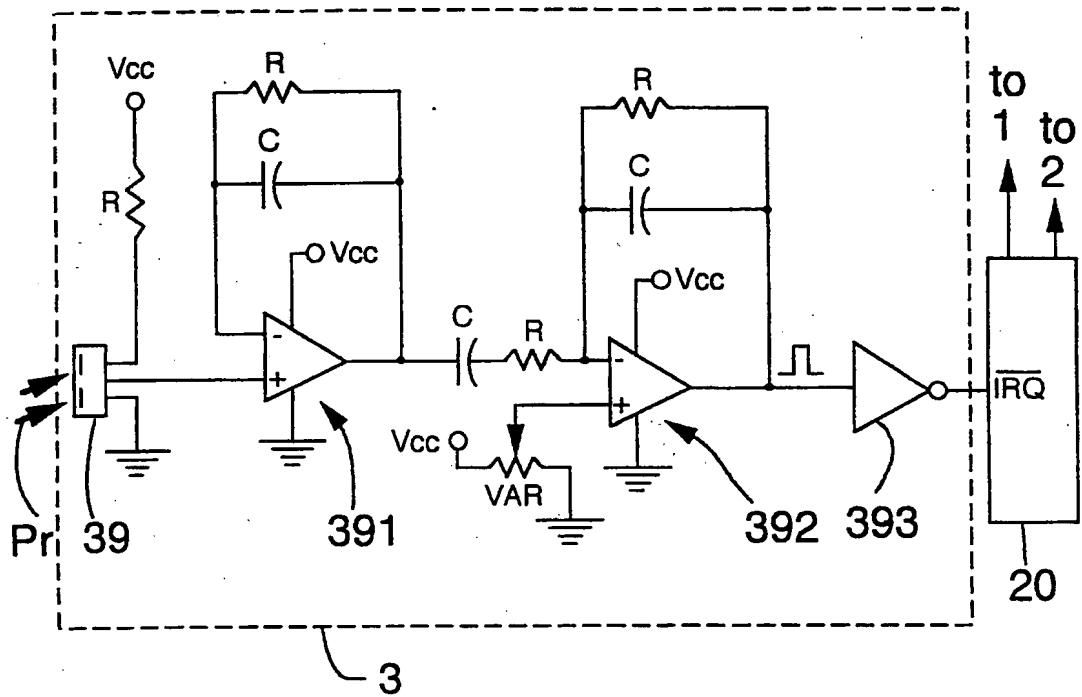


FIG. 2

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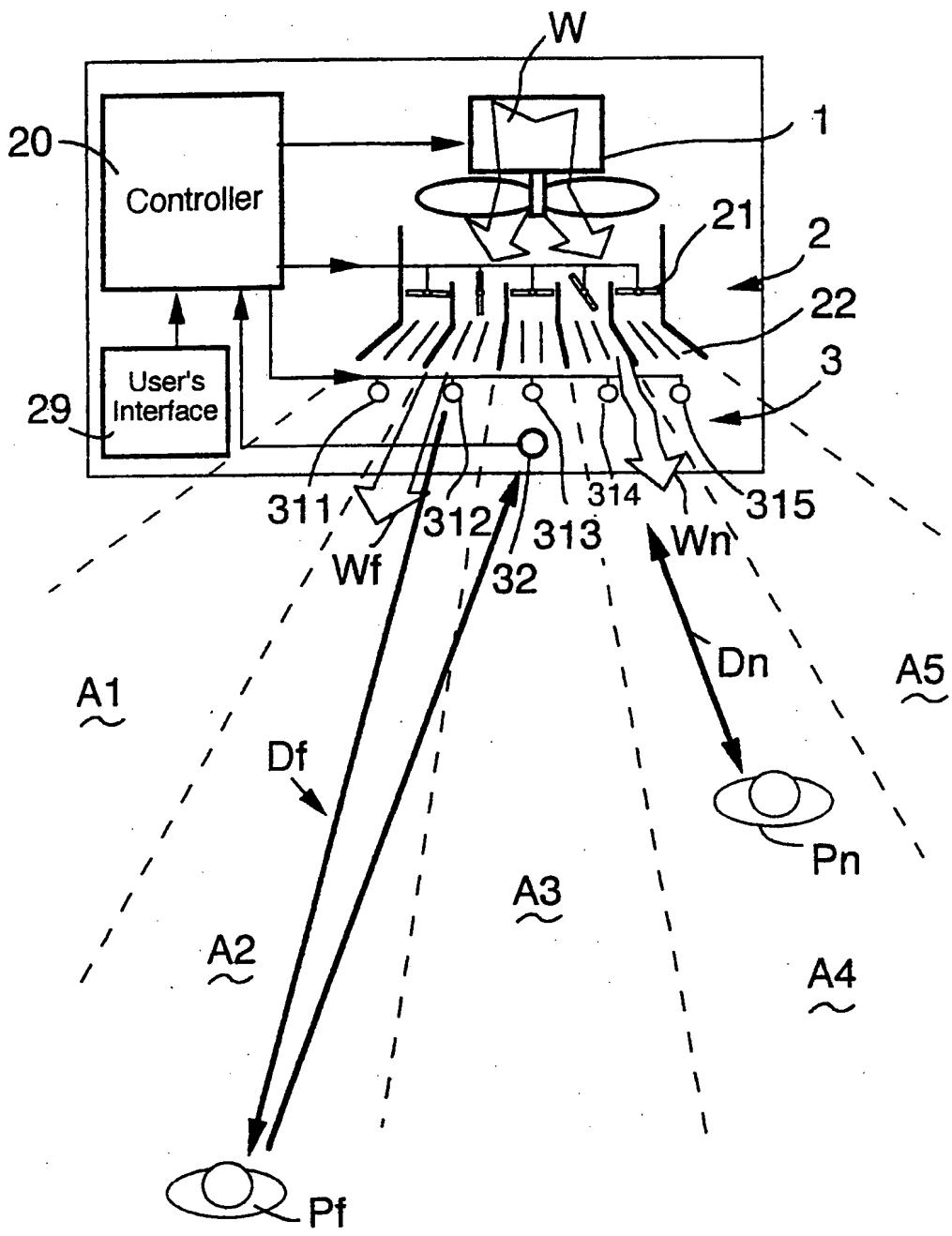


FIG. 3

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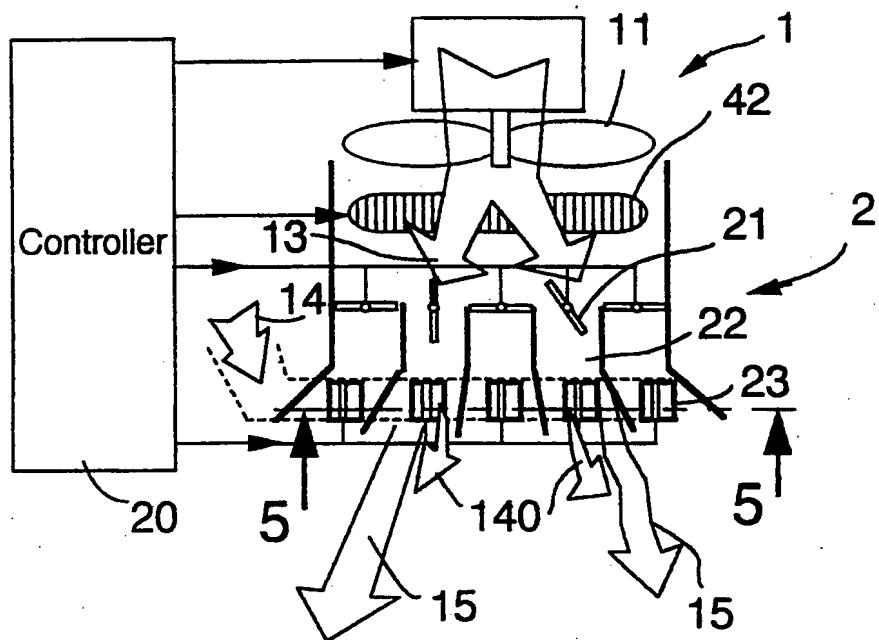


FIG. 4

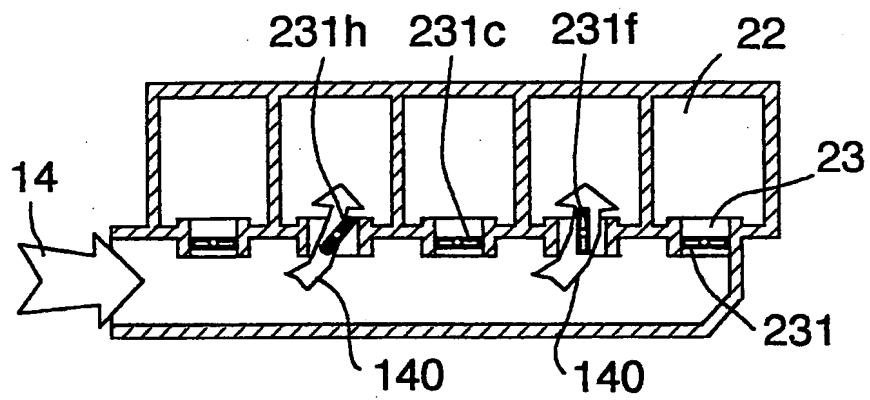


FIG. 5

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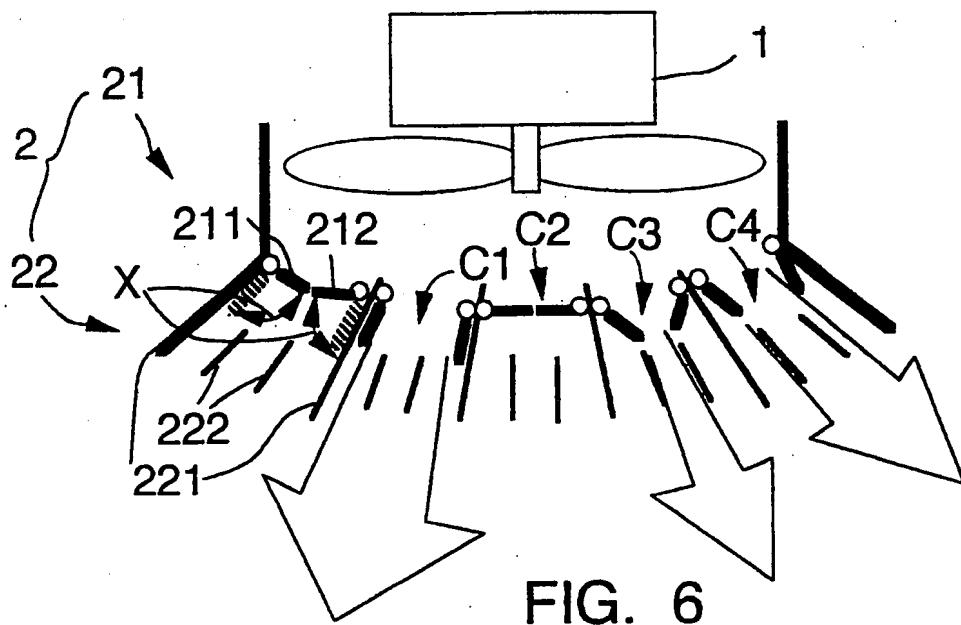


FIG. 6

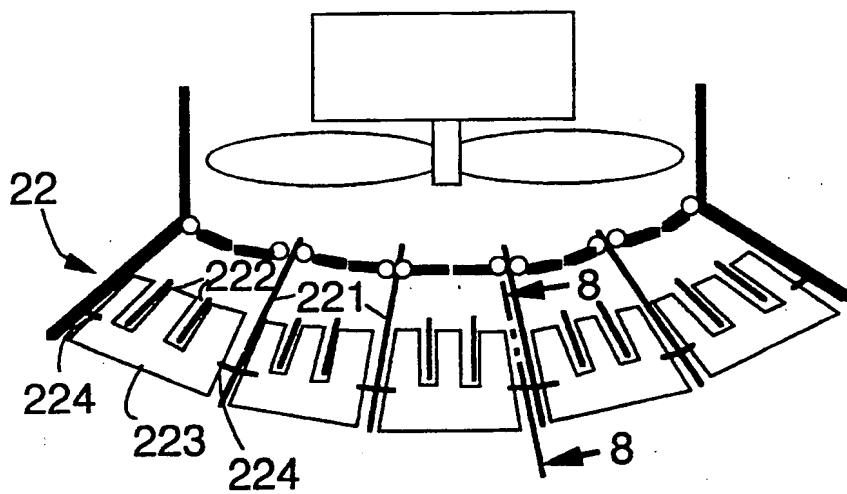


FIG. 7

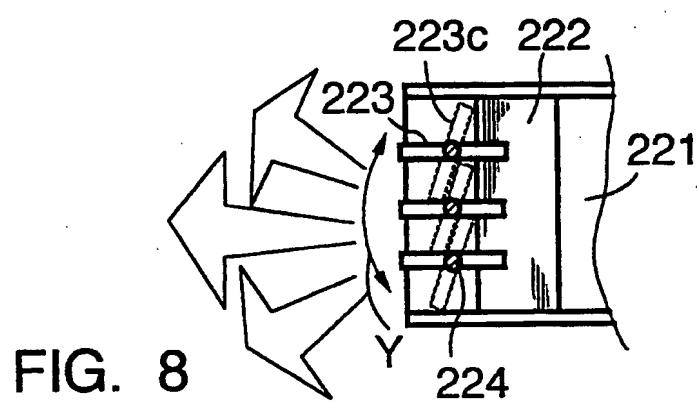
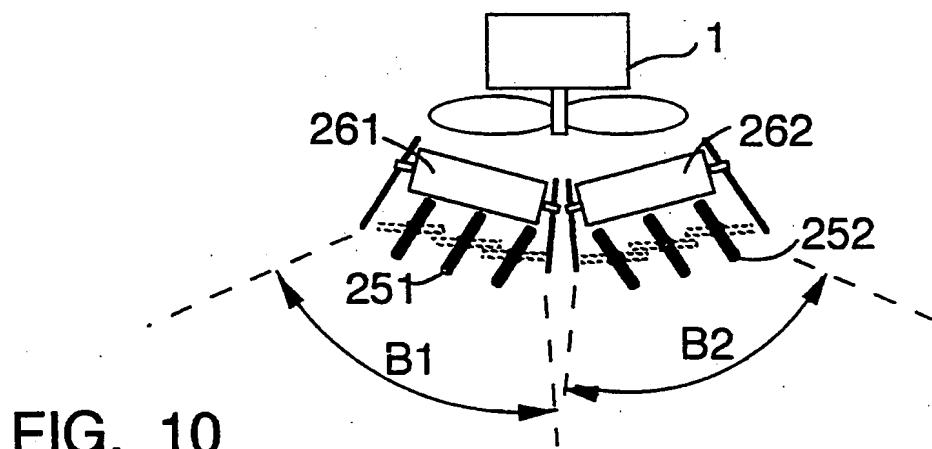
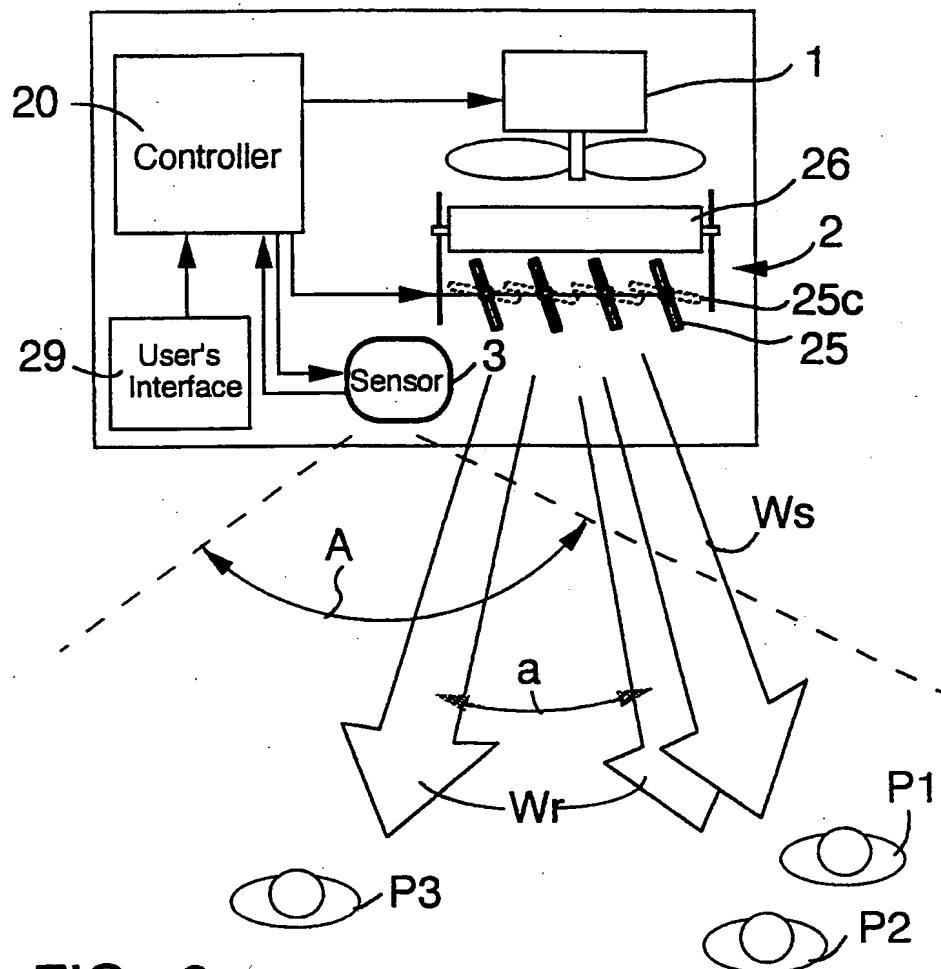


FIG. 8

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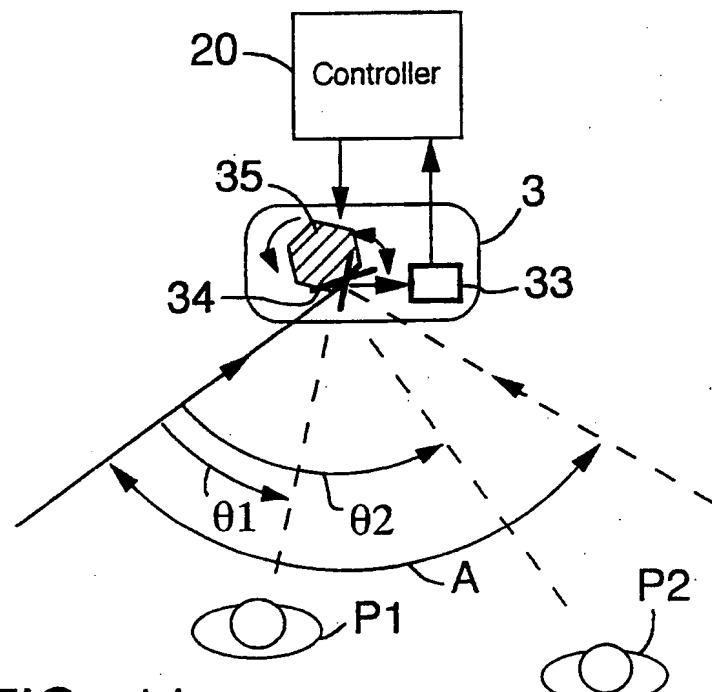


FIG. 11

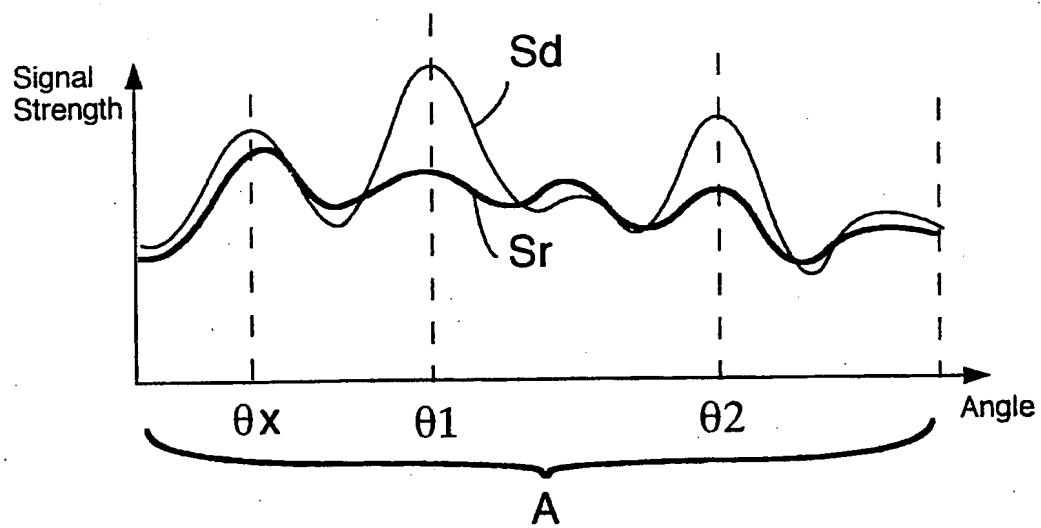


FIG. 12

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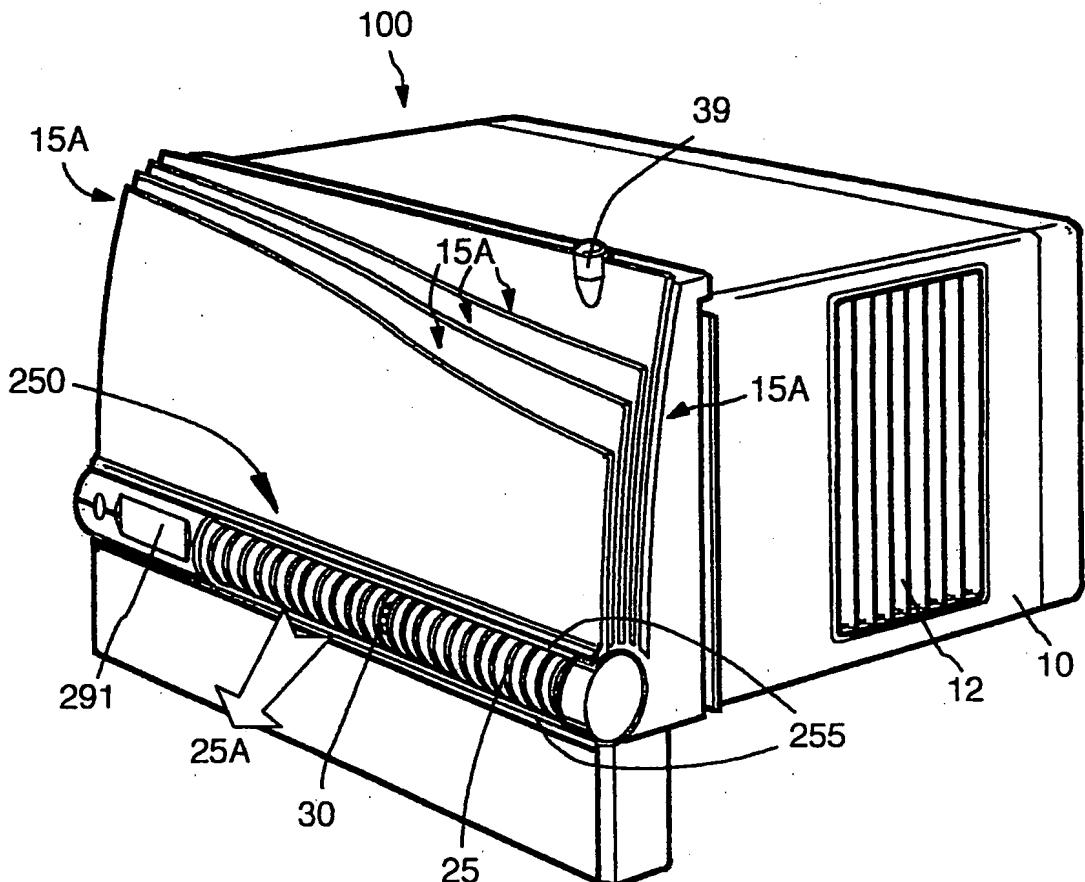
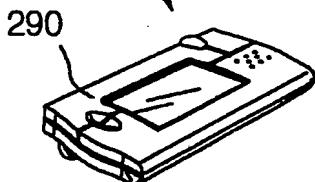


FIG. 13



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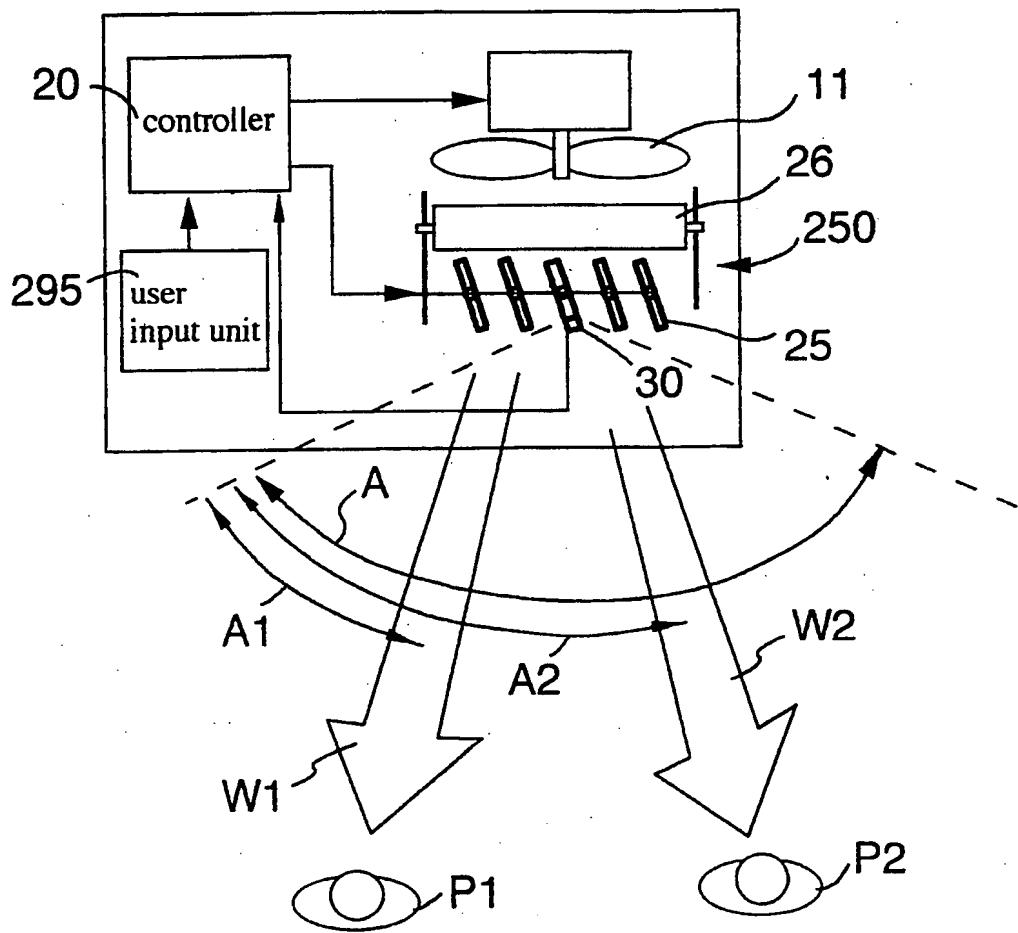


FIG. 14

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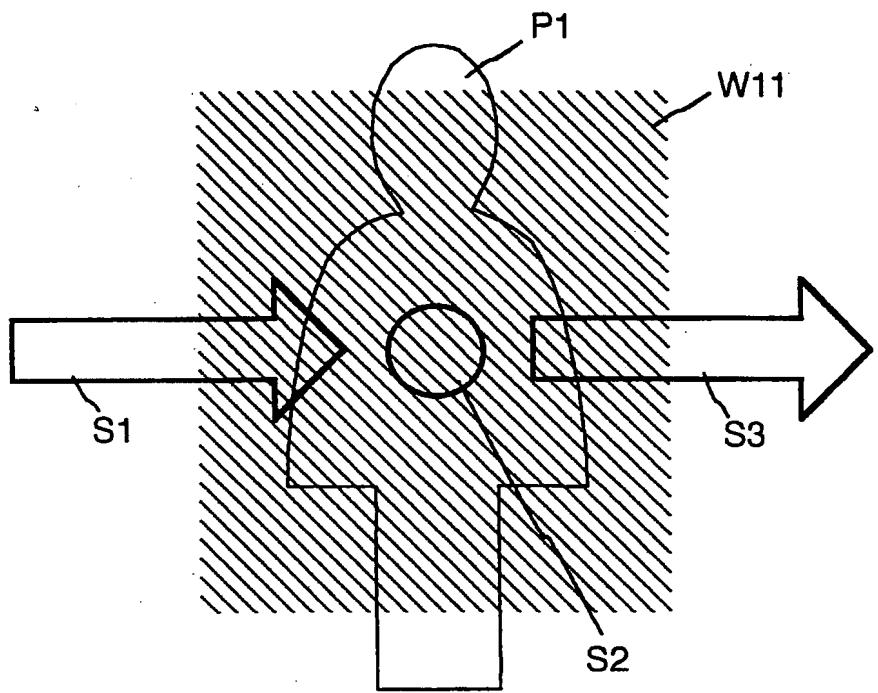


FIG. 15

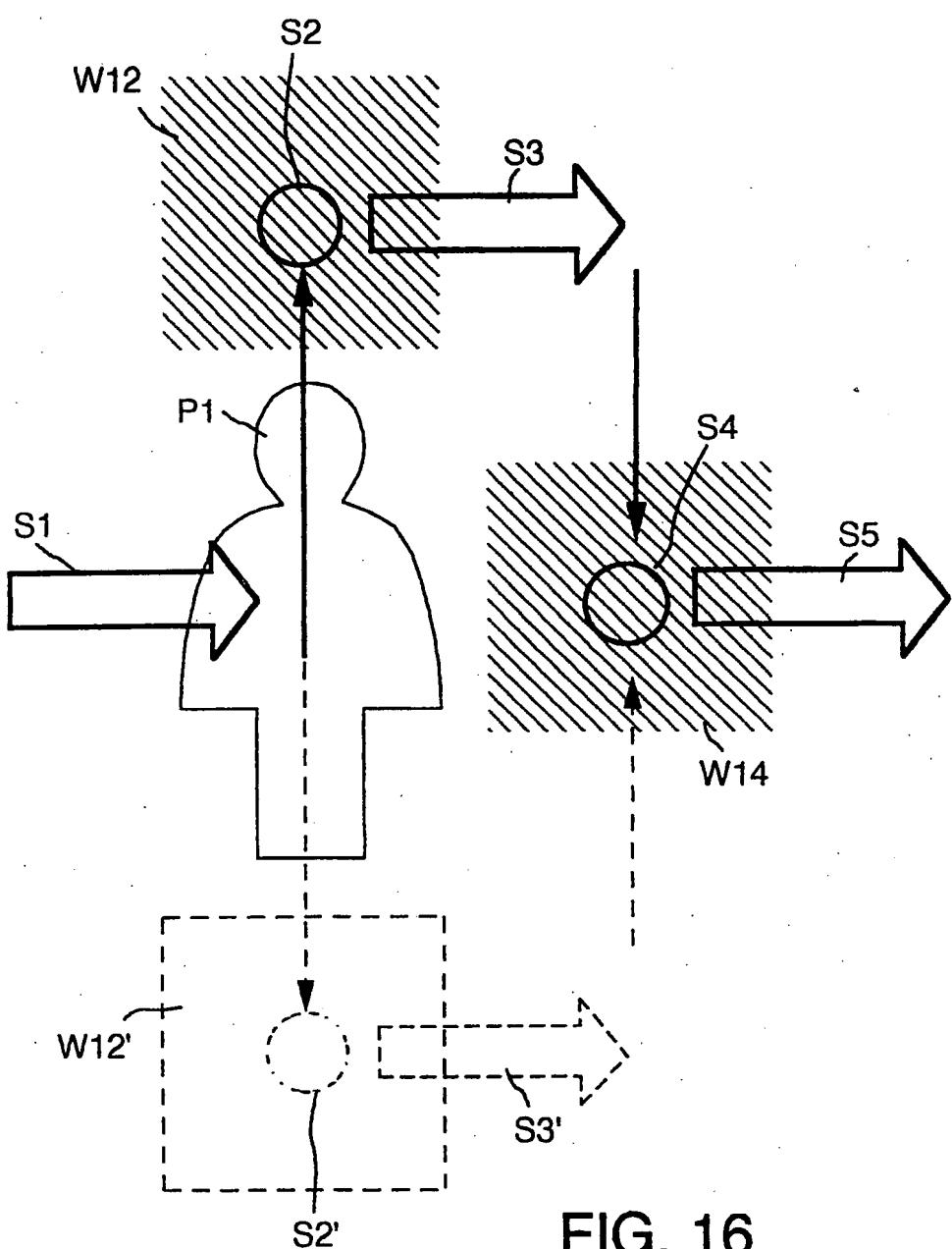


FIG. 16